

# Phosphatic Fertilizer Manufacturing: 2002

Issued December 2004

EC02-311-325312 (RV)

## 2002 Economic Census

*Manufacturing*

Industry Series



USCENSUSBUREAU

*Helping You Make Informed Decisions*

U.S. Department of Commerce  
Economics and Statistics Administration  
U.S. CENSUS BUREAU



## CONTENTS

Introduction to the Economic Census .....	v
Manufacturing .....	ix

### Tables

1. Historical Statistics for the Industry: 2002 and Earlier Years ...	1
2. Industry Statistics for Selected States: 2002 .....	2
3. Detailed Statistics by Industry: 2002 .....	3
4. Industry Statistics by Employment Size: 2002.....	4
5. Industry Statistics by Primary Product Class Specialization: 2002 .....	5
6a. Products Statistics: 2002 and 1997 .....	6
6b. Product Class Shipments for Selected States: 2002 and 1997 .	7
7. Materials Consumed by Kind: 2002 and 1997.....	8

### Appendixes

A. Explanation of Terms .....	A-1
B. NAICS Codes, Titles, and Descriptions .....	B-1
C. Methodology .....	C-1
D. Geographic Notes .....	--
E. Metropolitan and Micropolitan Statistical Areas .....	--
F. Comparability of Product Classes and Product Codes: 2002 to 1997 .....	F-1

-- Not applicable for this report.

**Table 1. Historical Statistics for the Industry: 2002 and Earlier Years**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year <sup>1</sup>	Com- panies <sup>2</sup>	All estab- lish- ments <sup>3</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number <sup>4</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)					
325312, Phosphatic fertilizer manufacturing .....	2002..	31	44	6 538	341 707	4 687	10 855	228 882	1 374 903	2 662 376	4 004 911	'244 463
	2001..	N	N	7 201	359 185	5 061	11 557	238 985	1 089 799	2 496 010	3 594 322	231 448
	2000..	N	N	7 491	373 675	5 339	12 265	247 669	1 322 084	2 778 465	4 087 328	246 031
	1999..	N	N	8 682	411 189	6 219	13 688	283 686	1 727 971	3 237 672	4 961 761	443 626
	1998..	N	N	8 565	364 007	6 004	13 698	252 146	2 332 825	3 180 226	5 585 620	338 219
	1997..	43	58	8 482	357 905	5 907	14 039	240 391	2 062 571	3 451 125	5 474 672	210 209

<sup>1</sup>Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

<sup>2</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>3</sup>Includes establishments with payroll at any time during the year.

<sup>4</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 2. Industry Statistics for Selected States: 2002**

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
<b>325312, Phosphatic fertilizer manufacturing</b>												
United States .....	—	44	27	6 538	341 707	4 687	10 855	228 882	1 374 903	2 662 376	4 004 911	'244 463
California .....	—	6	3	236	12 530	162	371	8 290	40 752	83 825	137 054	'2 071
Florida .....	—	8	8	3 157	167 801	2 391	5 773	116 373	711 694	1 466 984	2 126 883	'158 988

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 3. Detailed Statistics by Industry: 2002**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
<b>325312, Phosphatic fertilizer manufacturing</b>	
Companies <sup>1</sup> .....	number.. 31
All establishments <sup>2</sup> .....	number.. 44
Establishments with 1 to 19 employees .....	number.. 17
Establishments with 20 to 99 employees .....	number.. 9
Establishments with 100 employees or more .....	number.. 18
All employees <sup>3</sup> .....	number.. 6 538
Total compensation .....	\$1,000.. 454 276
Annual payroll .....	\$1,000.. 341 707
Total fringe benefits .....	\$1,000.. 112 569
Production workers, average for year .....	number.. 4 687
Production workers on March 12 .....	number.. 4 672
Production workers on May 12 .....	number.. 4 667
Production workers on August 12 .....	number.. 4 645
Production workers on November 12 .....	number.. 4 752
Production worker hours .....	1,000.. 10 855
Production worker wages .....	\$1,000.. 228 882
Total cost of materials .....	\$1,000.. 2 662 376
Materials, parts, containers, packaging, etc., used .....	\$1,000.. 2 466 774
Resales .....	\$1,000.. 29 466
Purchased fuels .....	\$1,000.. 43 969
Purchased electricity .....	\$1,000.. 84 898
Contract work .....	\$1,000.. 37 269
Quantity of electricity purchased for heat and power .....	1,000 kWh.. 1 837 354
Quantity of electricity generated less sold for heat and power .....	1,000 kWh.. 1 427 357
Total value of shipments .....	\$1,000.. 4 004 911
Primary products value of shipments .....	\$1,000.. 3 625 681
Secondary products value of shipments .....	\$1,000.. 296 571
Total miscellaneous receipts .....	\$1,000.. 82 659
Value of resales .....	\$1,000.. D
Contract receipts .....	\$1,000.. D
Other miscellaneous receipts .....	\$1,000.. 49 815
Primary products specialization ratio .....	percent.. 92
Value of primary products shipments made in all industries .....	\$1,000.. 3 831 267
Value of primary products shipments made in this industry .....	\$1,000.. 3 625 681
Value of primary products shipments made in other industries .....	\$1,000.. 205 586
Coverage ratio .....	percent.. 95
Value added .....	\$1,000.. 1 374 903
Total inventories, beginning of year .....	\$1,000.. 509 512
Finished goods inventories .....	\$1,000.. 160 666
Work-in-process inventories .....	\$1,000.. 143 644
Materials and supplies inventories .....	\$1,000.. 205 202
Total inventories, end of year .....	\$1,000.. 545 134
Finished goods inventories .....	\$1,000.. 195 811
Work-in-process inventories .....	\$1,000.. 140 867
Materials and supplies inventories .....	\$1,000.. 208 456
Gross value of depreciable assets (acquisition costs) at beginning of year .....	\$1,000.. '4 062 715
Total capital expenditures (new and used) .....	\$1,000.. '244 463
Buildings and other structures (new and used) .....	\$1,000.. '59 551
Machinery and equipment (new and used) .....	\$1,000.. '184 912
Automobiles, trucks, etc., for highway use .....	\$1,000.. '2 607
Computers and peripheral data processing equipment .....	\$1,000.. '3 207
All other expenditures for machinery and equipment .....	\$1,000.. '179 098
Total retirements .....	\$1,000.. '37 818
Gross value of depreciable assets at end of year .....	\$1,000.. '4 269 360
Depreciation charges during year .....	\$1,000.. '178 522
Total rental payments .....	\$1,000.. 14 778
Buildings and other structures .....	\$1,000.. 2 716
Machinery and equipment .....	\$1,000.. 12 062
Total other expenses <sup>4</sup> .....	\$1,000.. 221 250
Response coverage ratio <sup>5</sup> .....	percent.. 82
Repair and maintenance services of buildings and/or machinery <sup>4</sup> .....	\$1,000.. 119 706
Communications services <sup>4</sup> .....	\$1,000.. 2 854
Legal services <sup>4</sup> .....	\$1,000.. 1 349
Accounting, auditing, and bookkeeping services <sup>4</sup> .....	\$1,000.. 643
Advertising and promotional services <sup>4</sup> .....	\$1,000.. 502
Expensed computer hardware and supplies and purchased computer services <sup>4</sup> .....	\$1,000.. 1 581
Refuse removal (including hazardous waste) services <sup>4</sup> .....	\$1,000.. 1 257
Management consulting and administrative services <sup>4</sup> .....	\$1,000.. 9 370
Taxes and license fees <sup>4</sup> .....	\$1,000.. 19 258
All other expenses <sup>4</sup> .....	\$1,000.. 64 730

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Based on Annual Survey of Manufactures (ASM) sample data.

<sup>5</sup>A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 4. Industry Statistics by Employment Size: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E <sup>1</sup>	All establishments <sup>2</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
325312, Phosphatic fertilizer manufacturing											
All establishments .....	—	44	6 538	341 707	4 687	10 855	228 882	1 374 903	2 662 376	4 004 911	'244 463
Establishments with—											
1 to 4 employees .....	9	15	30	1 512	21	50	1 036	3 900	8 383	12 326	'205
5 to 9 employees .....	—	—	—	—	—	—	—	—	—	—	—
10 to 19 employees .....	—	2	b	D	D	D	D	D	D	D	D
20 to 49 employees .....	—	8	e	D	D	D	D	D	D	D	'4 244
50 to 99 employees .....	—	1	b	D	D	D	D	D	D	D	D
100 to 249 employees .....	—	8	1 342	79 526	870	2 056	49 531	271 694	838 004	1 112 566	'24 186
250 to 499 employees .....	—	8	3 042	153 603	2 189	4 936	99 838	666 020	984 915	1 612 280	'103 282
500 to 999 employees .....	—	1	f	D	D	D	D	D	D	D	D
1,000 to 2,499 employees .....	—	1	g	D	D	D	D	D	D	D	D
2,500 employees or more .....	—	—	—	—	—	—	—	—	—	—	—
Administrative records <sup>4</sup> .....	9	12	23	1 164	17	38	802	3 135	7 574	10 709	'293

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 5. Industry Statistics by Primary Product Class Specialization: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments <sup>1</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>2</sup>	Payroll (\$1,000)	Number <sup>2</sup>	Hours (1,000)	Wages (\$1,000)				
325312	Phosphatic fertilizer manufacturing ...	44	6 538	341 707	4 687	10 855	228 882	1 374 903	2 662 376	4 004 911	'244 463
3253121	Phosphoric acid .....	6	2 260	116 164	1 622	3 996	81 908	460 230	679 421	1 133 675	'65 838
3253124	Superphosphates and other phosphatic fertilizer materials .....	14	3 707	196 866	2 668	6 024	128 214	843 823	1 784 689	2 587 293	'170 765
3253127	Mixed fertilizers, made in plants which manufacture fertilizer materials .....	11	546	27 408	379	794	17 885	67 455	189 986	272 268	'7 548

<sup>1</sup>Includes establishments with payroll at any time during the year.

<sup>2</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 6a. Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
325312	Phosphatic fertilizer manufacturing .....	2002.. N 1997.. N	X X	X X	3 831 267 5 362 239
3253121	Phosphoric acid .....	2002.. N 1997.. N	X X	X X	1 130 234 1 309 336
32531211	Phosphoric acid .....	2002.. N 1997.. N	X X	X X	1 130 234 1 309 336
3253121100	Phosphoric acid <sup>1</sup> .....	2002.. 17 1997.. 15	X X	X X	1 130 234 1 309 336
3253124	Superphosphates and other phosphatic fertilizer materials .....	2002.. N 1997.. N	X X	X X	2 420 565 3 614 889
32531241	Superphosphates and other phosphatic fertilizer materials .....	2002.. N 1997.. N	X X	X X	2 420 565 3 614 889
3253124100	Superphosphates and other phosphatic fertilizer materials <sup>1</sup> .....	2002.. 15 1997.. 20	X X	X X	2 420 565 3 614 889
3253127	Mixed fertilizers, made in plants which manufacture fertilizer materials .....	2002.. N 1997.. N	X X	X X	269 615 399 212
32531271	Mixed fertilizers, made in plants which manufacture fertilizer materials .....	2002.. N 1997.. N	X X	X X	269 615 391 278
3253127111	Mixed fertilizers, dry, shipped in packages, tablets, and similar forms, gross weight less than or equal to 22 lb (10 kg), made in plants which manufacture fertilizer materials <sup>2</sup> .....	1,000 s tons.. 2002.. 5 1997.. 5	X X	S D	9 865 D
3253127121	Mixed fertilizers, dry, shipped in bulk, made in plants which manufacture fertilizer materials <sup>3</sup> .....	1,000 s tons.. 2002.. 9 1997.. 10	X X	S D	138 009 D
3253127131	Mixed fertilizers, dry, shipped in bags, gross weight of 22 lb (10 kg) or more, made in plants which manufacture fertilizer materials <sup>4</sup> .....	1,000 s tons.. 2002.. 7 1997.. 9	X X	S P254.4	54 475 74 974
3253127141	Mixed fertilizers, liquid, made in plants which manufacture fertilizer materials <sup>5</sup> .....	1,000 s tons.. 2002.. 9 1997.. 11	X X	656.6 1 348.9	67 266 119 702
3253127Y	Mixed fertilizers, made in plants which manufacture fertilizer materials, nsk .....	2002.. N 1997.. N	X X	X X	N 7 934
3253127YV	Mixed fertilizers, made in plants which manufacture fertilizer materials, nsk .....	2002.. N 1997.. N	X X	X X	N 7 934
325312W	Phosphatic fertilizer manufacturing, nsk, total .....	2002.. N 1997.. N	X X	X X	10 853 38 802
325312WY	Phosphatic fertilizer manufacturing, nsk, total .....	2002.. N 1997.. N	X X	X X	10 853 38 802
325312WYWW	Phosphatic fertilizer manufacturing, nsk, for nonadministrative-record establishments .....	2002.. N 1997.. N	X X	X X	896 7 664
325312WYWY	Phosphatic fertilizer manufacturing, nsk, for administrative-record establishments .....	2002.. N 1997.. N	X X	X X	9 957 31 138

<sup>1</sup>For additional detail, see Current Industrial Report MQ325B, Fertilizer Materials.

<sup>2</sup>This product code is primary to more than one industry. See industry 325314, product code 3253140111.

<sup>3</sup>This product code is primary to more than one industry. See industry 325314, product code 3253140121.

<sup>4</sup>This product code is primary to more than one industry. See industry 325314, product code 3253140131.

<sup>5</sup>This product code is primary to more than one industry. See industry 325314, product code 3253140241.

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.



**Table 6b. Product Class Shipments for Selected States: 2002 and 1997**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3253121	Phosphoric acid	
	United States..... 2002..	1 130 234
	..... 1997..	1 309 336
	Florida ..... 2002..	248 711
	..... 1997..	438 140
3253124	Superphosphates and other phosphatic fertilizer materials	
	United States..... 2002..	2 420 565
	..... 1997..	3 614 889
	Florida ..... 2002..	1 620 129
	..... 1997..	2 350 860
3253127	Mixed fertilizers, made in plants which manufacture fertilizer materials	
	United States..... 2002..	269 615
	..... 1997..	399 212
	California ..... 2002..	98 699
	..... 1997..	109 088

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 7. Materials Consumed by Kind: 2002 and 1997**

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
325312	Phosphatic fertilizer manufacturing		
00900001	Total materials .....	X	2 466 774
	.....2002..	X	3 138 890
	.....1997..		
32531103	Nitrogenous fertilizers, ammonia, synthetic anhydrous (100 percent NH <sub>3</sub> ) .....	1,000 s tons ..2002..	2 696.3
	.....1997..	3 276.8	395 268
32531113	Nitrogenous fertilizers, ammoniating and nitrogen solutions, including ammonium nitrate and urea (100 percent N) .....	1,000 s tons ..2002..	D
	.....1997..	D	D
32531111	Nitrogenous fertilizers, ammonium nitrate (solid only) (100 percent NH <sub>4</sub> NO <sub>3</sub> ) .....	1,000 s tons ..2002..	S
	.....1997..	S	1 466
32531107	Nitrogenous fertilizers, ammonium sulfate (100 percent (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> ) .....	1,000 s tons ..2002..	D
	.....1997..	D	7 192
32531115	Nitrogenous fertilizers, urea (solid only) (100 percent CO(NH <sub>2</sub> ) <sub>2</sub> ) .....	1,000 s tons ..2002..	S
	.....1997..	169.4	4 610
		D	21 273
			D
32531109	Other nitrogenous materials, including calcium cyanamide and limestone mixtures .....	1,000 s tons ..2002..	D
	.....1997..	D	D
32531203	Superphosphates used in mixed goods (100 percent P <sub>2</sub> O <sub>5</sub> ) .....	1,000 s tons ..2002..	D
	.....1997..	D	D
32531201	Phosphoric acid, excluding spent (100 percent P <sub>2</sub> O <sub>5</sub> ) .....	1,000 s tons ..2002..	D
	.....1997..	1 047.7	226 821
32531205	Other phosphatic fertilizer materials, including diammonium phosphate and monoammonium phosphate (100 percent P <sub>2</sub> O <sub>5</sub> ) .....	1,000 s tons ..2002..	S
	.....1997..	S	5 846
21239101	Muriate of potash (all grades) (60-62 percent K <sub>2</sub> O) .....	1,000 s tons ..2002..	107.0
	.....1997..	S	19 072
21239103	Other potassic materials, including potassium nitrate and sulfate .....	1,000 s tons ..2002..	167.2
	.....1997..	S	3 940
		84.7	16 813
			3 097
			12 354
00190029	Inert fillers (including secondary plant food, soil conditioners, sand, limestone, peat, nut hulls, etc.) .....	1,000 s tons ..2002..	400.9
	.....1997..	P640.7	10 547
32518803	Sulfuric acid, new and spent (100 percent H <sub>2</sub> SO <sub>4</sub> ) .....	1,000 s tons ..2002..	1 097.1
	.....1997..	1 998.1	28 330
21239200	Phosphate rock .....	1,000 s tons ..2002..	P31 722.1
	.....1997..	P40 363.6	30 471
			63 434
			952 438
			1 025 390
21239303	Sulfur .....	1,000 l tons ..2002..	P10 265.8
	.....1997..	P9 814.1	436 559
21111013	Natural gas used as a raw material .....	bil cu ft ..2002..	26.9
	.....1997..	S	590 522
32220009	Bags (including shipping sacks, multiwall bags, and polyethylene liners), excluding textile .....	.....2002..	X
	.....1997..	X	87 199
			80 279
			4 673
			4 158
00970099	All other materials and components, parts, containers, and supplies .....	.....2002..	X
	.....1997..	X	180 568
00971000	Materials, ingredients, containers, and supplies, nsk .....	.....2002..	X
	.....1997..	X	311 143
			5 636
			24 414

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.